

The Research Bridge

Problems and Solutions for Research related Information

Gjemnessund Bridge – Nils Tamlag - <https://flic.kr/p/rwuCWL>

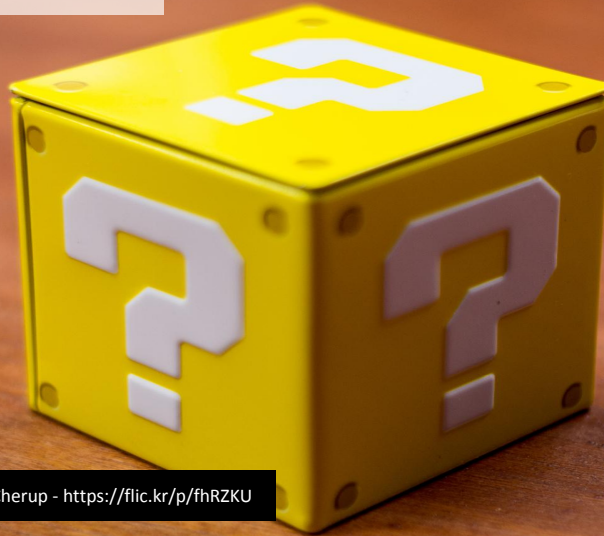


What Is The Research Bridge?

“ A TOOLKIT to connect multiple RESEARCH SYSTEMS and allow their INFORMATION to be INTERROGATED, COMPARED and used in a MEANINGFUL way.”

Toolkit - Wonderlane - <https://flic.kr/p/6fxVnL>

The Problem



Question Mark Block - Jared Cherup - <https://flic.kr/p/fhRZKU>

- We need to be able to...
- Monitor compliance with HEFCE, RCUK and institutional mandates
- Generate reports for individuals, research groups, schools, central planning
- Model scenarios and plan for the REF
- Ingest and report on citation data
- Record and monitor statements of impact and evidence
- All of this information is currently stored in different systems which are disconnected

What Information Do We Need?



Day 82: Information - Janelle - <https://flic.kr/p/9t4ay2>

- Publications (Repository - EPrints)
- Citations and Usage (Altmetrics, Scopus, IRStats, Google Analytics)
- Researcher IDs (ORCID)
- Impact
- Article Processing Charges
- Grant and Project Information (Awards Management System)
- Data Management Plans and Research Data
- Emerging Requirements (Ethics, Licenses)

What Can The Research Bridge Do?

You Belong To The City - Jaime Dillen-Siebel - <https://flic.kr/p/jc2uAj>

- The PROTOTYPE has handlers for:
 - Repository
 - Altmetric
 - Scopus
 - IRStats
 - Google Charts
- And can:
 - Display meaningful representations of academic outputs with metrics and other stats alongside
 - Create bespoke reports with different types of output (PDF, CSV, Visualisation)
 - Create collections of outputs to model different research based scenarios

The Altmetrics Factor



- Altmetrics were the catalyst for the research bridge
- It has exposed academics to information they did not know existed
- Has allowed us to expose unique trends between different types of impact

Putting It All Together



- Custom function library on a Wordpress backbone
 - Wordpress handles users and AD logins allowing system to be locked to UoL users
 - WP Database framework allows rapid, agile development of new features
- Does not interact directly with systems – uses suite of available APIs
- Linux/Apache/MySQL/PHP server
 - Ideal solution for Wordpress deployment
 - Currently in test system
- Building on some of the ideas of the JISC funded Orbital Project (to 2012) using institutional processes

Where Next?



Signpost on the South West coast path - Tim Green - <https://flic.kr/p/4CYtV2>

- Currently at a prototyping phase, discovering what is possible with the available information
- Give access to a pilot group of academics to allow them to help mould it
 - Online forum to allow discussion on features and bugs
- Looking at how other institutions are tackling this issue
- Introduce more information to add value (Web of Science, Google Analytics, Media Monitoring)
- Build on prototype to ensure it sits within institutional standards (Sharepoint, Master Data Management Project)
- We believe that this is a unique product – the flexibility we require cannot be matched by any “off the shelf” solution

The background of the slide is a photograph of numerous thin, vertical threads of light, possibly from a fountain or a light installation, creating a bokeh effect with many small, out-of-focus circles of light. The colors are primarily warm, with shades of orange, yellow, and gold against a dark background.

Thank you!

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light threads - Pea Chesh - <https://flic.kr/p/ripaJo>